

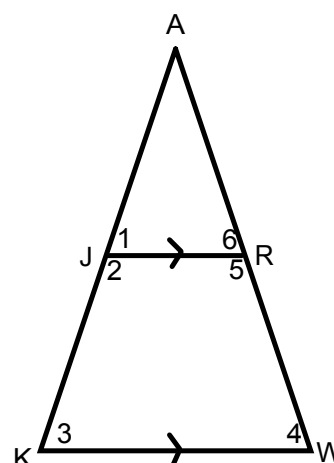
A)

In the figure, p is parallel to q, and transversal r is perpendicular to q. if the measure of angle 2 is $3x - 6$, find x.

B) find x if the measure of angle 2 is $2(x+4)$

1a. Tell me two pairs of corresponding angles.

b. Explain why angle 6 is congruent to angle 4.



2. Kristin says that angle 2 and angle 3 must be supplementary. Pedro disagrees. Who is correct and why?

3. On your paper, draw a pair of parallel lines cut by a transversal so that one pair of corresponding angles has the given measures:

a) 35 degrees b) 90 degrees c) 105 degrees d) 140 degrees

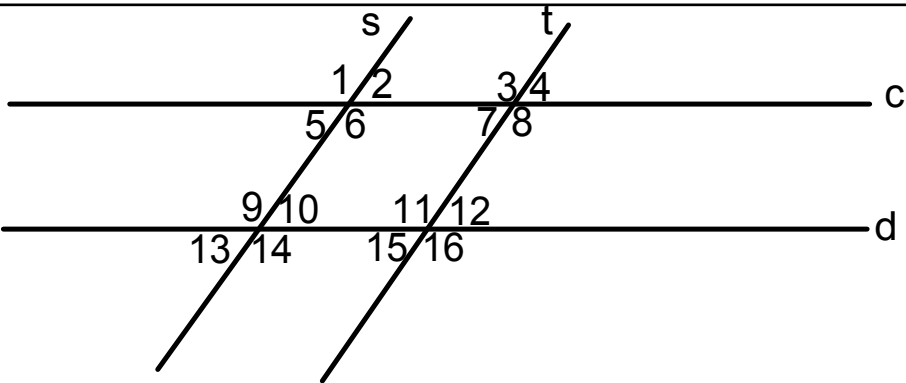
Getting ready: Find the value of x

1) $12x = 8x + 1$

2) $3x + 6 = 4x - 7$

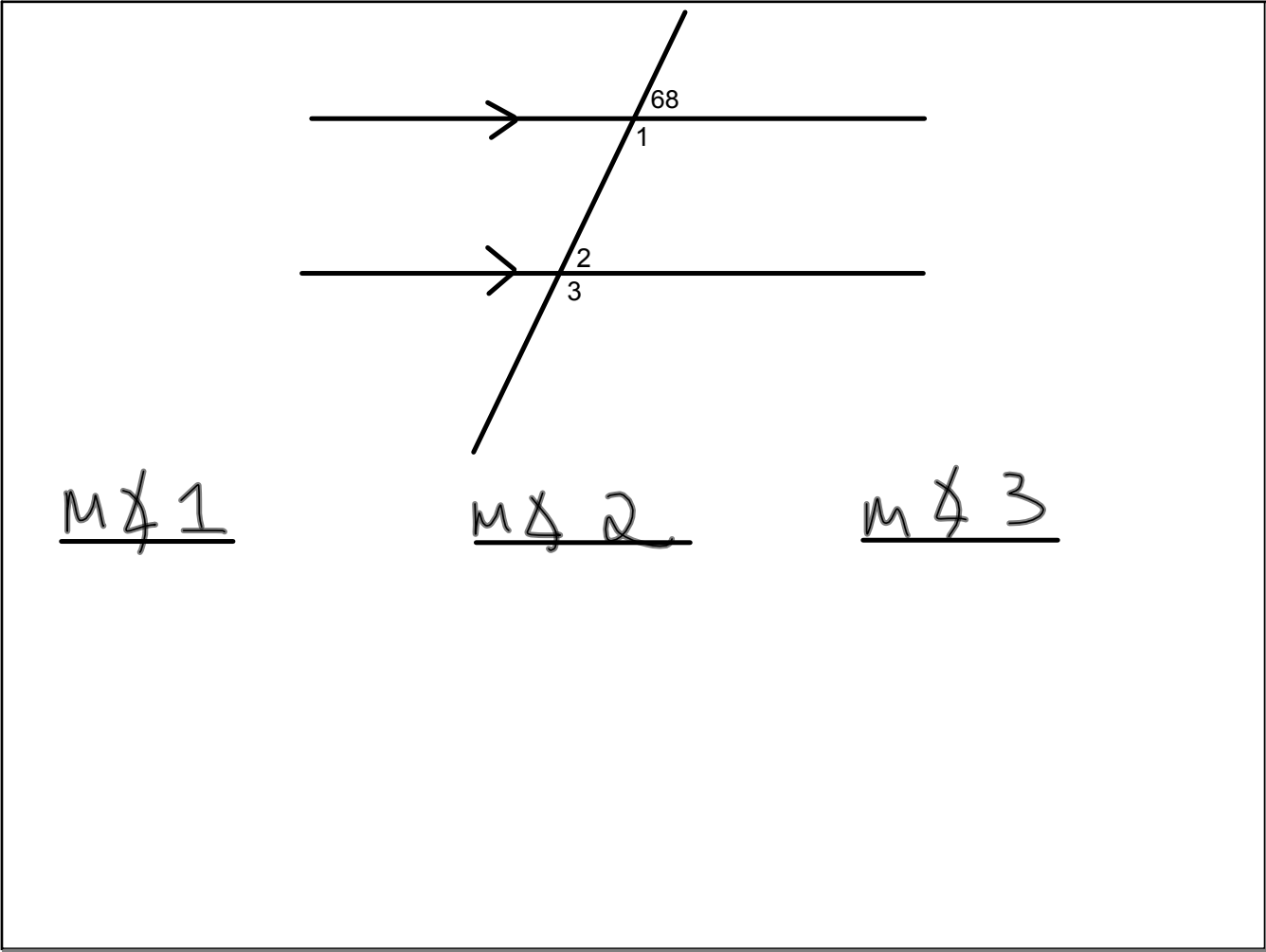
3) $x - 10 + 7x = 180$

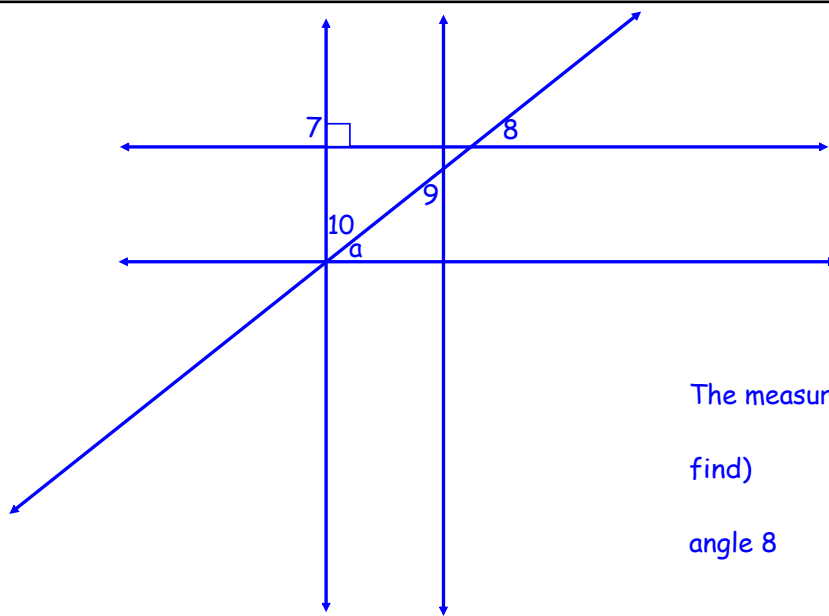
$S \parallel T$
 $C \parallel D$



Name all angles congruent to angle 1

Name all angles congruent to angle 2





The measure of angle a is 40 degrees.

find)

angle 8

angle 9

angle 10

$$\text{If } m\angle 10 = 4x - 5$$

and

$$m\angle 12 = 3x + 8$$

find:

x

$m\angle 10$

$m\angle 11$

